

- 1 -

SEQUENCE LISTING

<110> Duzic, Emir et al.

5 <120> AGS PROTEINS AND NUCLEIC ACID MOLECULES AND USES THEREOF

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<170> PatentIn Ver. 2.0

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tcc	aag	gtg	ggc	aag	acg	gcc	atc	gtg	tcg	cgc	ttc	ctc	acc	ggc	cgc	144
Ser	Lys	Val	Gly	Lys	Thr	Ala	Ile	Val	Ser	Arg	Phe	Leu	Thr	Gly	Arg	
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Gly	Asn	His	Pro	Phe	Pro	Ala	Met	Arg	Arg	Leu	Ser	Ile	Leu	Thr	Gly	
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Asp	Val	Phe	Ile	Leu	Val	Phe	Ser	Leu	Asp	Asn	Arg	Asp	Ser	Phe	Glu	
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gag	gtg	cag	cgg	ctc	agg	cag	cag	atc	ctc	gac	acc	aag	tct	tgc	ctc	384
Glu	Val	Gln	Arg	Leu	Arg	Gln	Gln	Ile	Leu	Asp	Thr	Lys	Ser	Cys	Leu	
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 Ala Met Ala Lys Leu Pro Ser Glu Met Ser Pro Asp Leu His Arg Lys
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 Cys Tyr Arg Met Val Ile Leu Gly Ser Ser Lys Val Gly Lys Thr Ala
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Ile Val Ser Arg Phe Leu Thr Gly Arg Phe Glu Asp Ala Tyr Thr Pro
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 10 Tyr Gln Leu Asp Ile Leu Asp Thr Ser Gly Asn His Pro Phe Pro Ala
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 Val Ile Pro Tyr Asn Glu Lys Pro Glu Lys Pro Ala Lys Thr Gln Lys
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 Asp Ser Leu Pro Arg Phe Val Arg Ser Glu Phe Tyr Gln Glu Leu Ile
 165 170 175 180

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Lys Thr Gln Lys Thr Ser Leu Asp Glu Ala Leu Gln Trp Arg Asp Ser
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Leu Ser Ser Gly Asn Cys Thr Leu Ser Val Pro Ala Lys Asn Ser Tyr
20 25 30

45 cgc atg gtg gtg ctg ggt gcc tct cgg gtg ggc aag agc tcc atc gtg 144
Arg Met Val Val Leu Gly Ala Ser Arg Val Gly Lys Ser Ser Ile Val
35 40 45

50 tct cgc ttc ctc aat ggc cgc ttt gag gac cag tac aca ccc acc atc 192
Ser Arg Phe Leu Asn Gly Arg Phe Glu Asp Gln Tyr Thr Pro Thr Ile
50 55 60

gag gac ttc cac cgt aag gta tac aac atc cgc ggc gac atg tac cag 240
55 Glu Asp Phe His Arg Lys Val Tyr Asn Ile Arg Gly Asp Met Tyr Gln
65 70 75 80

ctc gac atc ctg gat acc tct ggc aac cac ccc ttc ccc gcc atg cgc 288
60 Leu Asp Ile Leu Asp Thr Ser Gly Asn His Pro Phe Pro Ala Met Arg
85 90 95

agg ctg tcc atc ctc aca ggg gat gtc ttc atc ctg gtg ttc agc ctg 336

Arg Leu Ser Ile Leu Thr Gly Asp Val Phe Ile Leu Val Phe Ser Leu
 100 105 110
 gat aac cgg gag tcc ttc gat gag gtc aag cgc ctt cag aag cag atc 384
 5 Asp Asn Arg Glu Ser Phe Asp Glu Val Lys Arg Leu Gln Lys Gln Ile
 115 120 125
 ctg gag gtc aag tcc tgc ctg aag aac aag acc aag gag gcg gcg gag 432
 10 Leu Glu Val Lys Ser Cys Leu Lys Asn Lys Thr Lys Glu Ala Ala Glu
 130 135 140
 ctg ccc atg gtc atc tgt ggc aac aag aac gac cac ggc gag ctg tgc 480
 Leu Pro Met Val Ile Cys Gly Asn Lys Asn Asp His Gly Glu Leu Cys
 145 150 155 160
 15 cgc cag gtg ccc acc acc gag gcc gag ctg ctg gtg tcg ggc gac gag 528
 Arg Gln Val Pro Thr Thr Glu Ala Glu Leu Leu Val Ser Gly Asp Glu
 165 170 175
 20 aac tgc gcc tac ttc gag gtg tcg gcc aag aag aac acc aac gtg gac 576
 Asn Cys Ala Tyr Phe Glu Val Ser Ala Lys Lys Asn Thr Asn Val Asp
 180 185 190
 gag atg ttc tac gtg ctc ttc agc atg gcc aag ctg cca cac gag atg 624
 25 Glu Met Phe Tyr Val Leu Phe Ser Met Ala Lys Leu Pro His Glu Met
 195 200 205
 agc ccc gcc ctg cat cgc aag atc tcc gtg cag tac ggt gac gcc ttc 672
 30 Ser Pro Ala Leu His Arg Lys Ile Ser Val Gln Tyr Gly Asp Ala Phe
 210 215 220
 cac ccc agg ccc ttc tgc atg cgc cgc gtc aag gag atg gac gcc tat 720
 His Pro Arg Pro Phe Cys Met Arg Arg Val Lys Glu Met Asp Ala Tyr
 225 230 235 240
 35 ggc atg gtc tcg ccc ttc gcc cgc cgc ccc agc gtc aac agt gac ctc 768
 Gly Met Val Ser Pro Phe Ala Arg Arg Pro Ser Val Asn Ser Asp Leu
 245 250 255
 40 aag tac atc aag gcc aag gtc ctt cgg gaa ggc cag gcc cgt gag agg 816
 Lys Tyr Ile Lys Ala Lys Val Leu Arg Glu Gly Gln Ala Arg Glu Arg
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 gac aag tgc acc atc cag tga 837
 45 Asp Lys Cys Thr Ile Gln
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 50 <211> 278
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 20 25 30
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 35 40 45

Ser Arg Phe Leu Asn Gly Arg Phe Glu Asp Gln Tyr Thr Pro Thr Ile
 50 55 60
 5 Glu Asp Phe His Arg Lys Val Tyr Asn Ile Arg Gly Asp Met Tyr Gln
 65 70 75 80
 Leu Asp Ile Leu Asp Thr Ser Gly Asn His Pro Phe Pro Ala Met Arg
 85 90 95
 10 Arg Leu Ser Ile Leu Thr Gly Asp Val Phe Ile ~~Leu~~ Val Phe Ser Leu
 100 105 110
 Asp Asn Arg Glu Ser Phe Asp Glu Val Lys Arg Leu Gln Lys Gln Ile
 115 120 125
 Leu Glu Val Lys Ser Cys Leu Lys Asn Lys Thr Lys Glu Ala Ala Glu
 130 135 140
 20 Leu Pro Met Val Ile Cys Gly Asn Lys Asn Asp His Gly Glu Leu Cys
 145 150 155 160
 Arg Gln Val Pro Thr Thr Glu Ala Glu Leu Leu Val Ser Gly Asp Glu
 165 170 175
 25 Asn Cys Ala Tyr Phe Glu Val Ser Ala Lys Lys Asn Thr Asn Val Asp
 180 185 190
 Glu Met Phe Tyr Val Leu Phe Ser Met Ala Lys Leu Pro His Glu Met
 195 200 205
 Ser Pro Ala Leu His Arg Lys Ile Ser Val Gln Tyr Gly Asp Ala Phe
 210 215 220
 35 His Pro Arg Pro Phe Cys Met Arg Arg Val Lys Glu Met Asp Ala Tyr
 225 230 235 240
 Gly Met Val Ser Pro Phe Ala Arg Arg Pro Ser Val Asn Ser Asp Leu
 245 250 255
 40 Lys Tyr Ile Lys Ala Lys Val Leu Arg Glu Gly Gln Ala Arg Glu Arg
 260 265 270
 Asp Lys Cys Thr Ile Gln
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<213> Homo sapiens

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10 <223> Probe/Primer

<400> 44
tccaccgcaa gttctactcc 20

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30 cccgccctcg cggccctct gccca atg aaa ctg gcc gcg atg atc aag aag 172
Met Lys Leu Ala Ala Met Ile Lys Lys
1 5

atg tgc ccg agc gac tcg gag ctg agt atc ccg gcc aag aac tgc tat 220
35 Met Cys Pro Ser Asp Ser Glu Leu Ser Ile Pro Ala Lys Asn Cys Tyr
10 15 20 25

cgc atg gtc atc ctc ggc tcg tcc aag gtg ggc aag acg gcc atc gtg 268
40 Arg Met Val Ile Leu Gly Ser Ser Lys Val Gly Lys Thr Ala Ile Val
30 35 40

tcg cgc ttc ctc acc ggc cgc ttc gag gac gcc tac acg cct acc atc 316
Ser Arg Phe Leu Thr Gly Arg Phe Glu Asp Ala Tyr Thr Pro Thr Ile
45 50 55

gag gac ttc cac cgc aag ttc tac tcc atc cgc ggc gag gtc tac cag 364
45 Glu Asp Phe His Arg Lys Phe Tyr Ser Ile Arg Gly Glu Val Tyr Gln
60 65 70

ctc gac atc ctc gac acg tcc ggc aac cac ccg ttc ccc gcc atg ccg 412
50 Leu Asp Ile Leu Asp Thr Ser Gly Asn His Pro Phe Pro Ala Met Arg
75 80 85

cgc ctc tcc atc ctc aca gga gac gtt ttc atc ctg gtg ttc agt ctg 460
55 Arg Leu Ser Ile Leu Thr Gly Asp Val Phe Ile Leu Val Phe Ser Leu
90 95 100 105

gac aac cgc gac tcc ttc gag gag gtg cag cgg ctc agg cag cag atc 508
60 Asp Asn Arg Asp Ser Phe Glu Glu Val Gln Arg Leu Arg Gln Gln Ile
110 115 120

ctc gac acc aag tct tgc ctc aag aac aaa acc aag gag aac gtg gac 556

Leu Asp Thr Lys Ser Cys Leu Lys Asn Lys Thr Lys Glu Asn Val Asp
 125 130 135
 5 gtg ccc ctg gtc atc tgc ggc aac aag ggt gac cgc gac ttc tac cgc 604
 Val Pro Leu Val Ile Cys Gly Asn Lys Gly Asp Arg Asp Phe Tyr Arg
 140 145 150
 10 gag gtg gac cag cgc gag atc gag cag ctg gtg ggc gac gac ccc cag 652
 Glu Val Asp Gln Arg Glu Ile Glu Gln Leu Val Gly Asp Asp Pro Gln
 155 160 165
 15 cgc tgc gcc tac ttc gag atc tgc gcc aag aac agc agc ctg gac 700
 Arg Cys Ala Tyr Phe Glu Ile Ser Ala Lys Lys Asn Ser Ser Leu Asp
 170 175 180 185
 20 cag atg ttc cgc gcg ctc ttc gcc atg gcc aag ctg ccc agc gag atg 748
 Gln Met Phe Arg Ala Leu Phe Ala Met Lys Leu Pro Ser Glu Met
 190 195 200
 25 agc cca gac ctg cac cgc aag gtc tgc gtg cag tac tgc gac gtg ctg 796
 Ser Pro Asp Leu His Arg Lys Val Ser Val Gln Tyr Cys Asp Val Leu
 205 210 215
 30 cac aag aag gcg ctg cgg aac aag aag ctg ctg cgg gcc ggc agc ggc 844
 His Lys Lys Ala Leu Arg Asn Lys Lys Leu Leu Arg Ala Gly Ser Gly
 220 225 230
 35 ggc ggc ggc ggc gac ccg ggc gac gcc ttt ggc atc gtg gca ccc ttc 892
 Gly Gly Gly Gly Asp Pro Gly Asp Ala Phe Gly Ile Val Ala Pro Phe
 235 240 245
 40 gcg cgc cgg ccc agc gta cac agc gac ctc atg tac atc cgc gag aag 940
 Ala Arg Arg Pro Ser Val His Ser Asp Leu Met Tyr Ile Arg Glu Lys
 250 255 260 265
 45 gcc agc gcc ggc agc cag gcc aag gac aag gag cgc tgc gtc atc agc 988
 Ala Ser Ala Gly Ser Gln Ala Lys Asp Lys Glu Arg Cys Val Ile Ser
 270 275 280
 50 taggagcccc gccgcgctgg cgacacaacc taaggaggac ctttttgtta agtcaaattcc 1048
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 60 ccaggtgttt atactgtgtg tgtgtgaggt ctttaaagtt attgctttat ttggtttttt 1648
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1740

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 35 40 45
 Phe Glu Asp Ala Tyr Thr Pro Thr Ile Glu Asp Phe His Arg Lys Phe
 50 55 60
 Tyr Ser Ile Arg Gly Glu Val Tyr Gln Leu Asp Ile Leu Asp Thr Ser
 65 70 75 80
 25 Gly Asn His Pro Phe Pro Ala Met Arg Arg Leu Ser Ile Leu Thr Gly
 85 90 95
 Asp Val Phe Ile Leu Val Phe Ser Leu Asp Asn Arg Asp Ser Phe Glu
 100 105 110
 Glu Val Gln Arg Leu Arg Gln Gln Ile Leu Asp Thr Lys Ser Cys Leu
 115 120 125
 35 Lys Asn Lys Thr Lys Glu Asn Val Asp Val Pro Leu Val Ile Cys Gly
 130 135 140
 Asn Lys Gly Asp Arg Asp Phe Tyr Arg Glu Val Asp Gln Arg Glu Ile
 145 150 155 160
 40 Glu Gln Leu Val Gly Asp Asp Pro Gln Arg Cys Ala Tyr Phe Glu Ile
 165 170 175
 Ser Ala Lys Lys Asn Ser Ser Leu Asp Gln Met Phe Arg Ala Leu Phe
 180 185 190
 Ala Met Ala Lys Leu Pro Ser Glu Met Ser Pro Asp Leu His Arg Lys
 195 200 205
 50 Val Ser Val Gln Tyr Cys Asp Val Leu His Lys Lys Ala Leu Arg Asn
 210 215 220
 Lys Lys Leu Leu Arg Ala Gly Ser Gly Gly Gly Gly Asp Pro Gly
 225 230 235 240
 55 Asp Ala Phe Gly Ile Val Ala Pro Phe Ala Arg Arg Pro Ser Val His
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 260 265 270
 Lys Asp Lys Glu Arg Cys Val Ile Ser

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280

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 35 40 45
 Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
 50 55 60
 20 Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys
 65 70 75 80
 Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His Gln Tyr
 25 85 90 95
 Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Asp Asp Val Pro Met Val
 100 105 110
 30 Leu Val Gly Asn Lys Cys Asp Leu Ala Ala Arg Thr Val Glu Ser Arg
 115 120 125
 Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Tyr Ile Glu Thr
 130 135 140
 35 Ser Ala Lys Thr Arg Gln Gly Val Glu Asp Ala Phe Tyr Thr Leu Val
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 Arg Glu Ile Arg Gln His Lys Leu Arg Lys Leu Asn Pro Pro Asp Glu
 40 165 170 175
 Ser Gly Pro Gly Cys Met Ser Cys Lys Cys Val Leu Ser
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 Gln Phe Met Tyr Asp Glu Phe Val Glu Asp Tyr Glu Pro Thr Lys Ala
 35 40 45
 60 Asp Ser Tyr Arg Lys Lys Val Leu Asp Gly Glu Glu Val Gln Ile
 50 55 60

Asp Ile Leu Asp Thr Ala Gly Gln Glu Asp Tyr Ala Ala Ile Arg Asp
 65 70 75 80

5 Asn Tyr Phe Arg Ser Gly Glu Gly Phe Leu Cys Val Phe Ser Ile Thr
 85 90 95

Glu Met Glu Ser Phe Ala Ala Thr Ala Asp Phe Arg Glu Gln Ile Leu
 100 105 110

10 Arg Val Lys Glu Asp Glu Asn Val Pro Phe ~~Leu~~ Leu Val Gly Asn Lys
 115 120 125

Ser Asp Leu Glu Asp Lys Arg Gln Val Ser Val Glu Glu Ala Lys Asn
 15 130 135 140

Arg Ala Glu Gln Trp Asn Val Asn Tyr Val Glu Thr Ser Ala Lys Thr
 145 150 155 160

20 Arg Ala Asn Val Asp Lys Val Phe Phe Asp Leu Met Arg Glu Ile Arg
 165 170 175

Ala Arg Lys Met Glu Asp Ser Lys Glu Lys Asn Gly Lys Lys Lys Arg
 180 185 190

25 Lys Ser Leu Ala Lys Arg Ile Arg Glu Arg Cys Cys Ile Leu
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40 Ile Gly Asp Ser Gly Val Gly Lys Ser Cys Leu Leu Leu Arg Phe Ala
 20 25 30

Asp Asp Thr Tyr Thr Glu Ser Tyr Ile Ser Thr Ile Gly Val Asp Phe
 35 40 45

45 Lys Ile Arg Thr Ile Glu Leu Asp Gly Lys Thr Ile Lys Leu Gln Ile
 50 55 60

Trp Asp Thr Ala Gly Gln Glu Arg Phe Arg Thr Ile Thr Ser Ser Tyr
 65 70 75 80

50 Tyr Arg Gly Ala His Gly Ile Ile Val Val Tyr Asp Val Thr Asp Gln
 85 90 95

Glu Ser Phe Asn Asn Val Lys Gln Trp Leu Gln Glu Ile Asp Arg Tyr
 55 100 105 110

Ala Ser Glu Asn Val Asn Lys Leu Leu Val Gly Asn Lys Cys Asp Leu
 115 120 125

60 Thr Thr Lys Lys Val Val Asp Tyr Thr Thr Ala Lys Glu Phe Ala Asp
 130 135 140

Ser Leu Gly Ile Pro Phe Leu Glu Thr Ser Ala Lys Asn Ala Thr Asn
 145 150 155 160
 Val Glu Gln Ser Phe Met Thr Met Ala Ala Glu Ile Lys Lys Arg Met
 5 165 170 175
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 10 Gln Ser Thr Pro Val Lys Gln Ala Gly Gly Gly Cys Cys
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 25 Leu Leu Met Val Phe Ala Asp Gly Ala Phe Pro Glu Ser Tyr Thr Pro
 35 40 45
 Thr Val Phe Glu Arg Tyr Met Val Asn Leu Gln Val Lys Gly Lys Pro
 30 50 55 60
 Val His Leu His Ile Trp Asp Thr Ala Gly Gln Asp Asp Tyr Asp Arg
 65 70 75 80
 35 Leu Arg Pro Leu Phe Tyr Pro Asp Ala Ser Val Leu Leu Leu Cys Phe
 85 90 95
 Asp Val Thr Ser Pro Asn Ser Phe Asp Asn Ile Phe Asn Arg Trp Tyr
 100 105 110
 40 Pro Glu Val Asn His Phe Cys Lys Lys Val Pro Ile Ile Val Val Gly
 115 120 125
 Cys Lys Thr Asp Leu Arg Lys Asp Lys Ser Leu Val Asn Lys Leu Arg
 45 130 135 140
 Arg Asn Gly Leu Glu Pro Val Thr Tyr His Arg Gly Gln Glu Met Ala
 145 150 155 160
 50 Arg Ser Val Gly Ala Val Ala Tyr Leu Glu Cys Ser Ala Arg Leu His
 165 170 175
 Asp Asn Val His Ala Val Phe Gln Glu Ala Ala Glu Val Ala Leu Ser
 180 185 190
 55 Ser Arg Gly Arg Asn Phe Trp Arg Arg Ile Thr Gln Gly Phe Cys Val
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 Val Thr
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<210> 51
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 20 25 30

Val Pro Thr Val Phe Asp Asn Tyr Ala Val Thr Val Met Ile Gly Gly
 35 40 45

15

Glu Pro Tyr Thr Leu Gly Leu Phe Asp Thr Ala Gly Gln Glu Asp Tyr
 50 55 60

20 Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Val
 65 70 75 80

Cys Phe Ser Val Val Ser Pro Ser Ser Phe Glu Asn Val Lys Glu Lys
 85 90 95

25 Trp Val Pro Glu Ile Thr His His Cys Pro Lys Thr Pro Phe Leu Leu
 100 105 110

Val Gly Thr Gln Ile Asp Leu Arg Asp Asp Pro Ser Thr Ile Glu Lys
 115 120 125

30

Leu Ala Lys Asn Lys Gln Lys Pro Ile Thr Pro Glu Thr Ala Glu Lys
 130 135 140

35 Leu Ala Arg Asp Leu Lys Ala Val Lys Tyr Val Glu Cys Ser Ala Leu
 145 150 155 160

Thr Gln Arg Gly Leu Lys Asn Val Phe Asp Glu Ala Ile Leu Ala Ala
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40 Leu Glu Pro Pro Glu Thr Gln Pro Lys Arg Lys Cys Cys Ile Phe
 180 185 190

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Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Asn Val Met Val Asp Ser
 35 40 45

60 Lys Pro Val Asn Leu Gly Leu Trp Asp Thr Ala Gly Gln Glu Asp Tyr
 50 55 60

Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Ile

65 70 75 80
 Cys Phe Ser Leu Val Ser Pro Ala Ser Tyr Glu Asn Val Arg Ala Lys
 85 90 95
 5 Trp Phe Pro Glu Val Arg His His Cys Pro Ser Thr Pro Ile Ile Leu
 100 105 110
 Val Gly Thr Lys Leu Asp Leu Arg Asp Asp Lys Asp Thr Ile Glu Lys
 10 115 120 125
 Leu Lys Glu Lys Lys Leu Ala Pro Ile Thr Tyr Pro Gln Gly Leu Ala
 130 135 140
 15 Leu Ala Lys Glu Ile Asp Ser Val Lys Tyr Leu Glu Cys Ser Ala Leu
 145 150 155 160
 Thr Gln Arg Gly Leu Lys Thr Val Phe Asp Glu Ala Ile Arg Ala Val
 165 170 175
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 180 185 190
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 35 40 45
 Ile Gly Phe Asn Val Glu Thr Val Thr Tyr Lys Asn Leu Lys Phe Gln
 50 55 60
 45 Val Trp Asp Leu Gly Gly Gln Thr Ser Ile Arg Pro Tyr Trp Arg Cys
 65 70 75 80
 Tyr Tyr Ser Asn Thr Asp Ala Val Ile Tyr Val Val Asp Ser Cys Asp
 50 85 90 95
 Arg Asp Arg Ile Gly Ile Ser Lys Ser Glu Leu Val Ala Met Leu Glu
 100 105 110
 55 Glu Glu Glu Leu Arg Lys Ala Ile Leu Val Val Phe Ala Asn Lys Gln
 115 120 125
 Asp Met Glu Gln Ala Met Thr Ser Ser Glu Met Ala Asn Ser Leu Gly
 130 135 140
 60 Leu Pro Ala Leu Lys Asp Arg Lys Trp Gln Ile Phe Lys Thr Ser Ala
 145 150 155 160

Thr Lys Gly Thr Gly Leu Asp Glu Ala Met Glu Trp Leu Val Glu Thr
 165 170 175

5 Leu Lys Ser Arg Gln
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 10 <211> 229
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 35 40 45

Phe Glu Ile Asp Thr Gln Arg Ile Glu Leu Ser Leu Trp Asp Thr Ser
 25 50 55 60

Gly Ser Pro Tyr Tyr Asp Asn Val Arg Pro Leu Ser Tyr Pro Asp Ser
 65 70 75 80

30 Asp Ala Val Leu Ile Cys Phe Asp Ile Ser Arg Pro Glu Thr Leu Asp
 85 90 95

Ser Val Leu Lys Lys Trp Lys Gly Glu Ile Gln Glu Phe Cys Pro Asn
 100 105 110

35 Thr Lys Met Leu Leu Val Gly Cys Lys Ser Asp Leu Arg Thr Asp Val
 115 120 125

Ser Thr Leu Val Glu Leu Ser Asn His Arg Gln Thr Pro Val Ser Tyr
 40 130 135 140

Asp Gln Gly Ala Asn Met Ala Lys Gln Ile Gly Ala Ala Thr Tyr Ile
 145 150 155 160

45 Glu Cys Ser Ala Leu Gln Ser Glu Asn Ser Val Arg Asp Ile Phe His
 165 170 175

Val Ala Thr Leu Ala Cys Val Asn Lys Thr Asn Lys Asn Val Lys Arg
 180 185 190

50 Asn Lys Ser Gln Arg Ala Thr Lys Arg Ile Ser His Met Pro Ser Arg
 195 200 205

Pro Glu Leu Ser Ala Val Ala Thr Asp Leu Arg Lys Asp Lys Ala Lys
 55 210 215 220

Ser Cys Thr Val Met
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<400> 56

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5 <213> Homo sapiens

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1 5 10

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1 5 10

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<210> 67
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65 <213> Homo sapiens

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Leu Ala Leu Trp Asp Thr Ala Gly Gln Glu Asp Tyr Asp
1 5 10

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<210> 71

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